

Paper No.: \_\_\_\_\_

**IN THE UNITED STATES PATENT & TRADEMARK OFFICE**

Inventor(s): ROBAR, James; MARTIN, Monty A.; RICCIO, Silvia A.  
Title: TUMOR DOSE ENHANCEMENT USING MODIFIED PHOTON BEAMS  
AND CONTRAST MEDIA

To: Commissioner for Patents  
P O Box 1450  
Alexandria, VA, 22313-1450

Dear Sir:

**APPLICATION DATA SHEET**  
**37 CFR §1.76**

1. **APPLICANT INFORMATION**

|                                                                                                                                                                                      |                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| <b>First Applicant</b>                                                                                                                                                               |                                                          |
| Name                                                                                                                                                                                 | James Robar                                              |
| Citizenship                                                                                                                                                                          | Canadian                                                 |
| Residence Address                                                                                                                                                                    | 6365 Vienna Street, Halifax, Nova Scotia B3L 1S5, Canada |
| Mailing Address                                                                                                                                                                      | 6365 Vienna Street, Halifax, Nova Scotia B3L 1S5, Canada |
| <input type="checkbox"/> This applicant is not the inventor and this applicant's authority (§§ 1.42, 1.43 and 1.47) to apply for the patent on behalf of the inventor is as follows: |                                                          |

|                                                                                                                                                                                      |                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| <b>Second Applicant</b>                                                                                                                                                              |                                                                 |
| Name                                                                                                                                                                                 | Monty A. Martin                                                 |
| Citizenship                                                                                                                                                                          | Canadian                                                        |
| Residence Address                                                                                                                                                                    | 600 West 10 <sup>th</sup> Avenue, Vancouver, BC V5Z 4E6, Canada |
| Mailing Address                                                                                                                                                                      | 600 West 10 <sup>th</sup> Avenue, Vancouver, BC V5Z 4E6, Canada |
| <input type="checkbox"/> This applicant is not the inventor and this applicant's authority (§§ 1.42, 1.43 and 1.47) to apply for the patent on behalf of the inventor is as follows: |                                                                 |

|                                                                                                                                                                                      |                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| <b>Third Applicant</b>                                                                                                                                                               |                                                        |
| Name                                                                                                                                                                                 | Silva A. Riccio                                        |
| Citizenship                                                                                                                                                                          | Canadian                                               |
| Residence Address                                                                                                                                                                    | 5403 Molina Road, North Vancouver, BC, V7R 4P5, Canada |
| Mailing Address                                                                                                                                                                      | 5403 Molina Road, North Vancouver, BC, V7R 4P5, Canada |
| <input type="checkbox"/> This applicant is not the inventor and this applicant's authority (§§ 1.42, 1.43 and 1.47) to apply for the patent on behalf of the inventor is as follows: |                                                        |

2. **CORRESPONDENCE INFORMATION**

Correspondence for this application should be addressed as follows:

|                 |                                                                                                     |
|-----------------|-----------------------------------------------------------------------------------------------------|
| Name            | Oyen Wiggs Green & Mutala                                                                           |
| Address         | Suite 480 — The Station<br>601 West Cordova Street<br>Vancouver, British Columbia<br>Canada V6B 1G1 |
| Phone Number    | (604) 669-3432                                                                                      |
| Fax Number      | (604) 681-4081                                                                                      |
| Customer Number | 000720                                                                                              |

### 3. APPLICATION INFORMATION

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Title of Invention                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>TUMOR DOSE ENHANCEMENT USING<br/>MODIFIED PHOTON BEAMS AND<br/>CONTRAST MEDIA</b> |
| Docket Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | B537 0004                                                                            |
| Classification<br>(or suggested Classification)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                      |
| Technology Center to which<br>subject matter is assigned                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                      |
| Total Number of Drawing Sheets                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 13                                                                                   |
| <b>Type of Application:</b><br><input checked="" type="checkbox"/> Utility<br><input checked="" type="checkbox"/> Application is to be published:<br>Suggested Drawing Figure for Publication:   Figure 1<br><input type="checkbox"/> Application is not to be published<br><br><input type="checkbox"/> Plant<br><input type="checkbox"/> Latin name of the genus:<br><input type="checkbox"/> Latin name of the species:<br><br><input type="checkbox"/> Design<br><br><input type="checkbox"/> Reissue<br><br><input type="checkbox"/> Provisional |                                                                                      |
| This application<br><input checked="" type="checkbox"/> does <u>not</u> disclose<br><input type="checkbox"/> discloses a significant part of the<br>subject matter of an application which is under a secrecy order pursuant to § 5.2.                                                                                                                                                                                                                                                                                                                |                                                                                      |

4. **REPRESENTATIVE INFORMATION**

The following have a power of attorney or authorization of agent in this application:

|                         |   |                 |
|-------------------------|---|-----------------|
| Gerald O.S. Oyen        | - | Reg. No. 27,280 |
| Blake R. Wiggs          | - | Reg. No. 29,505 |
| Bruce M. Green          | - | Reg. No. 30,524 |
| David J. McGruder       | - | Reg. No. 32,375 |
| Thomas W. Bailey        | - | Reg. No. 36,411 |
| Gavin N. Manning        | - | Reg. No. 36,412 |
| George F. Kondor        | - | Reg. No. 40,477 |
| Hilton W.C. Sue         | - | Reg. No. 51,325 |
| Craig A. Ash            | - | Reg. No. 48,228 |
| Customer Number: 000720 |   |                 |

5. **DOMESTIC PRIORITY INFORMATION**

|                                                                                                   |                                                                                                                             |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Domestic priority for this application is claimed as follows: |                                                                                                                             |
| <input checked="" type="checkbox"/> 35 U.S.C. §119(e):                                            |                                                                                                                             |
| Application No.:                                                                                  | 60/396,714                                                                                                                  |
| Filing Date:                                                                                      | 19 July, 2002                                                                                                               |
| Status:                                                                                           | Pending                                                                                                                     |
| Relationship:                                                                                     | The earlier application is/was a United States provisional patent application, of which this application claims the benefit |

7. **ASSIGNEE INFORMATION**

The assignee(s) of this application is/are:

| First Assignee                                          |                                                             |
|---------------------------------------------------------|-------------------------------------------------------------|
| Name                                                    | BC Cancer Agency                                            |
| Address                                                 | #603 - 686 West Broadway, Vancouver, BC, V5Z 1G1,<br>Canada |
| Extent of this<br>assignee's interest<br>in application | 100%                                                        |

Respectfully submitted,

By:

  
GAVIN N. MANNING  
Registration No.: 36,412

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